

ASSIGNMENT - 2

Note:

- For every lab assignment report should be submitted via moodle.
- Format of the report: SQL Queries and screenshot of all the tables and Output.

1. Build a database of hospital management systems. The database should have the informations about

- PATIENT (p_id, r_id, d_id, p_name, city, contact)
- DOCTORS(D_id, p_id, name, salary, specification)
- ROOM(r_id, p_id, room_type)
- TEST & DIAGNOSIS(p_id, diagno, diag details).

Assume the data types. Insert at least five values for each table.

- a. Draw a Schema Diagram for your Tables.
- b. Use the above tables, attributes and demonstrate the working of primary key, foreign key, null value, table and column level constraints.
- c. Demonstrate the below Violation of constraints in relational database:
 - Domain constraint
 - Entity Integrity constraint
 - Key Constraints
 - Referential integrity

2. Build a Department database which consist of following information:

Student (Rollno, Name, Dob, Gender, Doa, Bcode);

Branch (Bcode, Bname, Dno);

Department (Dno, Dname);

Course (Ccode, Cname, Credits, Dno);

Branch_Course (Bcode, Ccode, Semester);

Enrolls (Rollno, Ccode, Grade);

Write Queries for the following:

- Print the details of students who are from the same department.
- Get the details of branches under a particular Department.
- Print the names of courses offered in a particular department in a particular semester.
- Print the students roll no, Name and grades.
- Print the details of students who are enrolled for different courses.